

DZHIMSELI, G. A. (Tbilisi)

"The Steady Non-Uniform Flow with Variable Discharge in Open Channels."

report presented at the First All-Union Congress on Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb 1960.

DZHIMSELI, G.A., doktor tekhn.nauk, prof.

Calculating normal linear rates for cross sections of
trapezoidal channels. Gidr.stroi. 29 no.3:43-44 Mr '60.
(MIRA 13:6)

(Hydraulics)

DZHIMSHELI, G.A., doktor tekhn.nauk, prof.

Determining the reciprocal filling of trapezoidal river beds. Gidr.
stroj. 32 no.1:37-38 Ja '62. (MIRA 15:3)
(Hydraulics)

DZHIMSHELI, G. A., doktor tekhn. nauk, prof.

Universal method of constructing curves of the free surface
in open channels. Gidr. stroi. 33 no.12:40-41 D '62.
(MIRA 16:1)

(Hydraulics)

DEHOMPHOLI, O.A.

Generalized universal formula for calculating the irregular movement of a liquid in open channels with variable discharge along its course. Soob. AN Gruz. SSR 40 no.1:133-137 O 1965.
(MIRA 18:12)

1. Tbilisetskiy nauchno-issledovatel'skiy institut sotsial'nogo i gosudarstvennogo inzhenerstva imeni A.V. Vintsy. Submitted January 15, 1965.

ERISTAVI, K.D. akademik; DZHIMSHERASHVILI, P.I.; PAGAVA, G.D.

Some current problems of perfusion in an artificial blood
circulation. Soob. AN Gruz. SSR 31 no. 3:727-728 S '63.
(MIRA 17:7)

1. Akademiya nauk GruzSSR (for Eristavi).

DZHINCHARADZE, D.I.

PHASE I BOOK EXPLOITATION

SOV/4903

Arkhangel'skiy, Mikha'il Mikhaylovich, Dmitriy Ivanovich
Dzhincharadze, and Arkadiy Stepanovich Kuris'ko

Raschet tunnel'nykh obdelok (Calculation of Tunnel Linings)
Moscow, Transzheldorizdat, 1960. 344 p. 3,000 copies printed.

Ed.: P. M. Zelevich, Engineer; Tech. Ed.: Ye. N. Bobrova; Ed.
(title page): M. I. Dandurov, Professor, Corresponding Member,
Academy of Construction and Architecture USSR.

PURPOSE: This book is intended for students in transportation and
other departments of Soviet schools of higher education.

COVERAGE: The book presents problems in the calculation of tunnel
linings for ensuring economical construction. The authors dis-
cuss loads acting on the tunnel lining, calculation of concrete
linings by methods developed by S. S. Davydov and Metrogiprotrans
(State Subway Design, Planning, and Research Institute), and con-
struction and calculation methods for block lining. Detailed

~~Card 1/8~~

Calculation (Cont.)

SOV/4903

examples for the calculation of different types of linings are given. Ch. I (except Secs. 4 and 8) and Sec. 17 of Ch. III were written by Docent M. M. Arkhangel'skiy. Chs. II, III, (except Sec. 17), and IV and Secs. 4 and 8 of Ch. I were written by A. S. Kuris'ko. Ch. V was written by Candidate of Technical Sciences D. I. Dzhincharadze. The following personalities are mentioned as having contributed to this field: O. Ye. Bugayeva, whose design method is included in the book, G. G. Zurabov, Academician B. G. Galerkin, Professor S. S. Davydov, and S. A. Orlov, Candidate of Technical Sciences. There are no references.

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AVAILABLE: Library of Congress

~~Card 8/8~~

AC/wrc/os
3-21-61

DZHINCHARADZE, D.I.

Technical and economic indices for comparing bridges with
underwater tunnels. Trudy GPI [Gruz.] no.5:31-40 '61.
(MIRA 15:12)

(Bridge construction—Costs)
(Tunneling—Costs)

KARTSIVADZE, G.N.; BYUS, I.Ye.; DZHINCHARADZE, D.I.

New experimental data on the dynamic parameters of reinforced
concrete arched bridges. Trudy GPI [Gruz.] no.7:55-60 '63.
(MIRA 18:6)

PAPITASHVILI, Mikhail Yermolayevich; KORIDZE, Shalva Melitonovich;
DZHINCHARADZE, Margarita Zakhar'yevna

[Technique of some gynecological operations] [Tekhnika ne-
kotorykh ginekologicheskikh operatsii. Tbilisi, Sabchota
Sakartvelo] 1964. 181 p. [In Georgian] (MIRA 18:7)

DZHINCHARADZE, N. G., Cand of Tech Sci -- (diss) "The obtention of fire-proof cement on the basis of dolomite and alunite." Tbilisi, 1957, 13 pp, (Georgian Polytechnical Institute im S. M. Kirov), 100 copies (k1, 30-57, 110)

DZHINCHARADZE, N.G.; KUTATELADZE, K.S.

Producing refractory cements with dolomite and alunite base.

Soob. AN Gruz. SSR 18 no.1:31-38 Ja '57.

(MLRA 10:5)

1. Akademiya nauk Gruzinskoy SSR i Institut metalli i gornogo
dela Tbilisi. Predstavleno chlenom-korrespondentom Akademii
F.N. Tavadze.

(Refractory materials)

KUTATELADZE, K.S., doktor tekhn.nauk; ~~DZHINCHARADZE, N.G., kand.tekhn.nauk~~

Local binding materials made with alunite. Stroi.mat. 5 no.7:
36-37 J1 '59. (MIRA 12:10)
(Alunite) (Georgia--Binding materials)

GABADADZE, T.G.; DZHINCHARADZE, N.G.; KUTATELADZE, K.S.

Water-resistant expanding portland cement. TSement 29 no.3:
13-15 My-Je '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut stroitel'nykh materialov,
Gruzinskaya SSR.

MOSTOVOY, Ya.P.; GOKSADZE, M.K.; SIKHARULIDZE, V.G.; CHIGUNADZE, A.A.;
DZHINCHARADZE, H.G.; G. RISHVILI, B.V.

Using refractory concrete for laying the brickwork in the basin
of a slag-melting tank furnace. Ogneupory 29 no.10:471-475 '64.
(MIRA 18:7)

1. Sovet narodnogo khozyaystva GruzSSR (for Mostovoy). 2. Rustav-
skiy zavod mineralovatykh izdeliy (for Goksadze, Sikharulidze,
Chigunadze). 3. Tbilisskiy gosudarstvennyy nauchno-issledovatel'-
skiy institut stroitel'nykh materialov (for Dzhincharadze, Gari-
shvili).

DZHINCHARADZE, N.M.

Some varieties of camellia in the Batum Botanical Garden.
Biul.Glav.bot.sada no.58:56-60 '65.

(MIRA 18:12)

1. Botanicheskiy sad AN Gruzinskoy SSR, g. Batumi.

DZHINCHARADZE, T.A.

Some data on spore-pollen complexes of Paleogenic deposits in the middle Volga region. Dokl. AN SSSR. 146 no.1:164-166 S '62.
(MIRA 15:9)

1. Kazanskiy filial AN SSSR. Predstavleno akademikom V.N. Sukachevym.

(Volga Valley—Palynology)

KEKELIDZE, M. A.; DZHINCHARADZE, T. I.; ODILAVADZE, G. N.

Study of pyrite cinders of the "Ingurbumcombinat" for the purpose of determining the possibility of their use in the sintering charge. Trudy Inst. met. AN Gruz. SSR 11:31-39 '61. (MIRA 14:10)

(Ingur Valley—Paper industry—By-products)
(Sintering)

KEKELIDZE, M.A.; ODILAVADZE, G.N.; MGEKADZE, V.D.; DZHINCHARADZE, T.I.;
GELASHVILI, K.D.

Use of pyrite cinder from the Ingur Paper Combine in the production
of basic iron. Trudy Inst.met. AN Gruz. SSR 12:3-17 '62.

(MIRA 15:12)

(Ingur Valley—Paper industry—By-products)
(Cast iron—Metallurgy)

~~KEKELEDZE, M.A.~~; ~~PEROVA, V.V.~~; ~~GELASHVILI, K.D.~~; ~~DZHINCHARADZE, T.I.~~;
ODILAVADZE, G.N.

Results of the industrial sintering of washed Chiatura 1 C manganese
ores. Trudy Inst.met. AN Gruz. SSR 12:19-28 '62. (MIRA 15:12)
(Chiatura region—Manganese ores) (Sintering)

DZHINCHARADZE, T.I.; KEKELIDZE, M.A.

Some metallurgical characteristics of manganese ores from the
Shkmeri deposit. Trudy Inst.met. AN Gruz. SSR 12:196-203 '62.
(MIRA 15:12)

(Shkmeri region—Manganese ores)

KEKELIDZE, M.A.; PEROVA, V.V.; ODILAVADZE, G.N.; DZHINCHARADZE, T.I.; GELASHVILI,
K.D.; MGELADZE, V.D.

Industrial sintering of washed fourth grade Chiatura manganese ore.
Trudy Inst. met. AN Gruz. SSR vol. 13:3-5 '62. (MIRA 17:9)

KEKELIDZE, M.A.; DZHINCHARADZE, T.I.

Preparing ferromanganese and siliconomanganese from manganese
ores of the Shkmeri deposit. Trudy Inst. met. AN Gruz. SSR
vol. 13:7-16 '62. (MIRA 17:9)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411910014-0

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000411910014-0"

KOZOREZOV, Ye.S.; MITKALEV, B.A.; IVANOV, A.M.; DZHINGARADZE, V.M.

Separation of trap emulsions in petroleum refineries. Khim.i tekhn.
topl.i masel 6 no.6:32-34 Je '61. (MIRA 14:7)

1. Bashkirskiy nauchno-issledovatel'skiy institut po pererabotke
nefti i Vsesoyuznyy nauchno-issledovatel'skiy i konstruktorskiy
institut khimicheskogo mashinostroyeniya.
(Petroleum—Refining) (Emulsions)

NIKOLAYEVA, V.G.; RYABOV, M.N.; IVANYUKOV, D.V.; POPOVA, E.M.; SAMGIN, I.B.;
ZLOTNIKOV, L.Ye.; DZHINCHARADZE, V.M.; SEN'KINA, M.I.; Prinimali
uchastiye: KRYMOVA, N.N.; MALINOV, V.K.

Refining of heavy residual fuels by washing and separation.
Khim.i tekhn.topl.i masel 7 no.5:26-31 My '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i gazov i polucheniya iskusstvennogo zhidkogo topliva,
Moskovskiy neftepererabatyvayushchiy zavod i Vsesoyuznyy nauchno-
issledovatel'skiy i konstruktorskiy institut khimicheskogo mashino-
stroyeniya. 2. Moskovskiy neftepererabatyvayushchiy zavod (for
Krymova, Malinov).

(Petroleum as fuel)

KOZORINOV, Ye.S.; MITKALEV, B.A.; IVANOV, A.M.; DZHINCHARATSE, V.M.

Separating the trap emulsions of petroleum refineries. Trudy Bash
NIINP no.5:218-225 '62. (MIRA 17:10)

~~DZHINCHARADZE, V. Z.~~

USSR/Scientific Organization

Card 1/1 : Pub. 124 - 19/24

Authors : Dzhincharadze, V. Z., Cand. of Histor. Sc.

Title : In the Institutions of the Academy of Sciences USSR

Periodical : Vest. AN SSSR 11, 90-92, November 1954

Abstract : Brief reports on the activities of institutions belonging to the Academy of Sciences USSR are presented.

Institution :

Submitted :

DZHIMCHVELASHVILI, K. P.; TISHCHENKO, K. I.; SHORNIKOVA, A. S.

Putting into operation and adjustment of a new ore dressing
plant of the "Chiaturamarganets" Trust. Obog. rud. 7 no.6:
29-36 '62. (MIRA 16:4)

1. Trest "Chiaturmarganets" (for Dzhimchvelashvili).
2. Mekhanobrohermet (for Tishchenko, Shornikova).

(Chiatura region—Ore dressing)

BERADZE, N.; DZHINDZHIKHADZE, G.

Immediate and late results of the use of a suture on a penetrating
wound of the eye. Trudy Tbil. GIDUV 6:247-254 '62. (MIRA 16:2)
(EYE--WOUNDS AND INJURIES) (SUTURES)

DZHINDZHIKHADZE, Z.P.

Reaction of Georgian varieties and inbred lines of corn to the different
types of male sterility. Soob. AN Gruz. SSR 32 no.2:425-427 '63.
(MIRA 18:1)

1. Submitted September 19, 1962.

ATANASOV, An.; DZHINGOV, Al.; KITIPOV, Ant.; LEVENSON, Evg.; MILCHEV, M.;
NIKOLOV, S.

Tests in fertilizing the eroded forest maroon soils.
Izv Inst "Nikola Pushkarov" no.5:101-124 '62.

BIOLCHEV, A.; DZHINGOV, A.

Development of the process of linear erosion. Izv Inst
"Nikola Pushkarov" no.5:73-99 '62.

1. Chlen na Redaktsionnata kolegia, "Izvestiia na
Nauchnoissledovatel'skiiia institut po pochvoznanie i
agrotekhnika 'N. Pushkarov'" (for Biolchev).

DZHINORIDZE, N.M.

Upper Jurassic sediments of the northern part of the Verkhoyansk
trough. Trudy VNIGRI no.186:44-52 '61. (MIRA 15:3)
(Verkhoyansk Range--Geology, Stratigraphic)

DZHINORIDZE, T. A.

21006 Svanidze, D. P. i Dzhinoridze, T. A. Rasprostraneniye kishechnykh prosteyshikh
spetsialnykh naseleniya Kakhebi. Byulleten' (Nauch-issled. in-T malyarii i med.
parazitologii im. Virsaladze), No. 1, 1948, s. 13-24. - NA gruz. yaz. - Rezyume NA
rus. yaz. - Bibliogr: 6 NAZV.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

DZHLORLZHIO, V.A.; PETROSYANTS, I. A.; ROMANOV, N.N.

Classification of buffeting of TU-104 airplanes in the uppertroposphere and lower stratosphere. Nauch.trudy TashGU no.225 Fiz. nauki no.22:90-99 '64. (MIRA 18:1)

DZHIOSAN, N., professor, zamestitel' ministra sel'skogo khozyaystva.

Michurin agrobiology in Rumania. Nauka i zhizn' 20 no.12:35-37
D '53. (MIRA 6:12)

(Rumania--Agriculture) (Agriculture--Rumania)

L 16062-65 EWT(m)/EPF(c)/EPR/EWP(j)/T Pc-4/Pr-4/Ps-4 Sp-4
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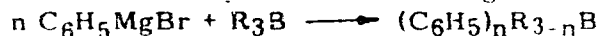
Correspondence: G. Ye, Peking University, Beijing 100871, China.
E-mail: yeguo@pku.edu.cn

• *Chlorotrichia* kyla with phenol (100 mg/l)

SOURCE: Zhurnal obshchey khimii, v. 34, no. 9, 1964, 2910-11.

TOPIC TAGS: borontrialkyl, phenylmagnesium bromide alkyl compound, triphenylboron

ABSTRACT: The reaction proceeds according to the scheme

[illegible]

Card 1 / 2

L 16062-65

ACCESSION NR: AP4046174

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet (Tbilis State University)

SUBMITTED: 01Jul63

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SUB CODE: GC, OC, MT

NO REF SOV: 001

OTHER 000

Card 2/2

KACHEYSHVILI, G.Ye.; PIRTSKHALAVA, N.I.; DZHIOSHVILI, G.D.

Reaction of trialkyl boron with benzyl magnesium bromides.
Zhur. ob. khim. 35 no.3:484-485 Mr '65.

(MIRA 18:4)

1. Tbilisskiy gosudarstvennyy universitet.

KACHEYSHVILI, G.Ye.; PIRTSKHALAVA, N.I.; DZHIOSHVILI, G.D.

Esters of dicyclohexylboronic acid. Zhur. ob. khim. 35
no.6:1086-1087 Je '65. (MIRA 18:6)

1. Tbilisskiy gosudarstvennyy universitet.

DZHIOYEV, F.K.

Effect of eleutherococcus extract on the genesis of pulmonary adenomas induced in mice by means of urethane. Vop. onk. 11 no.9:51-54 '65. (MIRA 18:9)

1. Iz laboratorii eksperimental'noy onkologii (zav. - ~~za~~lushennyi deyatel' nauki prof. N.V.Lazarev) Instituta onkologii AN SSSR (dir. - deystvitel'nyy chlen AN SSSR prof. A.I.Serebrev).

DEHIOYEV, G. D.

Dissertation: "Investigation of Adiabatic Compressibility in Pure Liquids and in Binary Mixtures." Cand Phys-Math Sci, Physics Inst imeni P. M. Lebedev, Acad Sci USSR, 26 Apr 54. (Vechernyaya Moskva, Moscow, 17 Apr 54)

SO: SUM 243, 19 Oct 1954

SHIRIN, P.K. (Moskva); POVERMNNYY, L.D. (Moskva); KAMENNY, M.O. (Moskva);
BARCH, I.Z., inzh. (Khar'kov); PUSHKAREV, V.V. (Novosibirsk);
BALABAN, A.I. (Khar'kov); DZHIOTEV, I.M. (Khar'kov); RUBINSHTAYN,
M.Z. (Khar'kov); RYABCHICH, V.P. (Magnitogorsk); SOLOVAREV, K.M.,
(Kazan'); KHODOROVSKAYA, O.R. (Khar'kov); NEFEDOV, Ye.M. (Leningrad).

Discussion on plans and regulations for the organization and the
technology of building. Stroi. prom. 35 no.12:5-20 D '57.

(Architecture--Designs and plans)

(MIRA 11:1)

(Construction industry)

BALABAN, A.; DZHIOYEV, I.

Inside loss of working time in the construction industry.
Sots.trud no.3:61-63 Nr '58. (MIRA 13:3)
(Ukraine--Construction industry--Wages)

DZHIORYEV, I.M., inzh.; RUBINSHTEYN, M.Z., inzh.

Constructing precast reinforced concrete bin trestles. Bet. 1 zhel.-
bet. no.3:96-100 Mr '58. (MIRA 11:3)
(Blast furnaces) (Precast concrete construction)

Dzhioyev, I.M.

BARCH, I.Z., inzh.; DZHIOYEV, I.M., inzh.

Methods for evaluating efficiency of plans and the results of
constructing industrial structures. Stroi.prom. 36 no.4:42-44 Ap
'58. (Building--Estimates) (MIRA 11:4)

BARCH, I.Z., inzh.; DZHIOYEV, I.M., inzh.; PONOMARENKO, N.I., inzh.;
RUBINSHTEYN, M.Z., inzh.; GURVITS, A.I., inzh., nauchnyy red.;
VLASOV, P.Ye., red.izd-va; SOLNTSEVA, L.M., tekhn.red.

[Using sectional reinforced concrete construction in building
blast furnace plants] Primenenie sbornykh zhelezobetonnykh
konstruktsii na stroitel'stve ob'ektov domennykh tsekhov.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.mate-
rialam, 1959. 63 p. (MIRA 12:8)

(Metallurgical plants--Design and construction)
(Precast concrete construction)

~~DZHIKOV~~ DZHIKOV, I.M., insh.; ANICHIN, F.I., insh.

Using precast reinforced concrete in constructing areas for
installing air preheaters. From. stroi. 37 no.6:39-44 Je '59.

(MIRA 12:8)

(Air preheaters) (Precast concrete construction)

PHASE I BOOK EXPLOITATION

SOV/4486

Beyzerman, D.Z., Engineer, I.M. Dzhioyev, Engineer, I.A. Gezentsvey, Engineer,
and L. Ye. Purygin, Engineer

Stroitel'stro domennoy pechi ob'yemom 1,719 m³ (Building of a Blast Furnace of
a 1,719 m³ Volume) Moscow, Gosstroyizdat, 1960. 140 p. Errata slip inserted.
2,500 copies printed.

Scientific Ed.: N.K. Leonidov, Engineer; Ed. of Publishing House: Z.I. Vdovenko;
Tech. Ed.: P. Ye. Ryazanov.

PURPOSE: This book is intended for the personnel of construction organizations.
It may also be useful for designers and for students of civil engineering
schools of higher education.

COVERAGE: The authors present results of experience gained in building a blast
furnace having a 1,719 m³ volume at a metallurgical plant in the Ukrainskaya
SSR. Included are discussions of the basic design proposals for the construction
of the furnace, industrial methods used for the completion of different types of

Card 1/4

Building of a Blast Furnace (Cont.)

SOV/4486

work and of the whole project, possibilities of reducing the time required for the completion of building and prospects for reducing labor consumption and costs. No personalities are mentioned. There are 9 references, all Soviet.

TABLE OF CONTENTS:

PART I. THE BLAST FURNACE PLANT AND CONSTRUCTION CONDITIONS

Ch. I. Arrangement of the Plant and Description of Its Units 3

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1. Preparatory work 12

2. Completion of general construction work 16

3. Distribution of building and erection work among contractors 19

4. Supply of material and equipment 22

Card 2/4

DZHIOYEV, I.M.

Selecting areas for ore dressing plants in permafrost regions.
Gor. zhur. no.9:54-56 S '64. (MIRA 17:12)

1. PromstroyNIIproyekt, Krasnoyarsk.

DZHIOTKY, L.N., kandidat tekhnicheskikh nauk.

Experimental investigation of foundation anchors. Gidr.stroi. 25
no.9:28-31 0 '56. (MLRA 9:11)
(Foundations) (Soil mechanics)

Dzhioyev, L.N.

98-58-6-7/21

AUTHOR: Dzhioyev, L.N., Candidate of Technical Sciences

TITLE: Experimental Studies of Anchor-Bracings in Rocky Grounds
(Eksperimental'nyye issledovaniya ankernykh krepleniy v skal'nykh gruntakh)

PERIODICAL: Gidrotekhnicheskoye Stroitel'stvo, 1958, Nr 6, pp 23-26 (USSR)

ABSTRACT: Utilization of anchor bracing for construction work on excavations or tipping greatly reduces building costs and time. The author made experiments with plane anchors and anchors with-a-bulge, in a sandstone base. Both kinds of anchor were sealed in bore holes of various depths and submitted to the action of a hydraulic lifting jack. The experiment showed that anchors with-a-bulge were by far more resistant. On the basis of these experiments, the author devised a formula by which the breaking point of rocky grounds could be calculated. There are 2 figures, 2 tables, and 2 Soviet references.

AVAILABLE: Library of Congress

Card 1/1 1. Anchors-Design 2. Anchors-Test results 3. Construction-USSR

DZHIOYEV, L.N., kand.tekhn.nauk

Grouting the gravel-and-pebble soil of a beach area. Gidr.stroi.
32 no.7:18-19 J1 '62. (MIRA 15:7)
(Black Sea—Shore protection) (Grouting)

GUDUSHAURI, Irakliy Iosifovich; DZHILOYEV, Lev Nikolayevich;
FAYERMAN, A.L., red.; BORUNOV, N.I., tekhn. red

[Study of the performance of the foundations of power
transmission line supports in uncemented rock] Issledova-
nie raboty fundamentov opor liniy elektropredachi v neskalk'-
nykh gruntakh. Moskva, Gosenergoizdat, 1963. 151 p.

(MIRA 17:1)

L 22344-66 EWT(d)/EWP(e)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(l) IJP(c) JD/WH
ACC NR: AP8013524 SOURCE CODE: UR/0120/66/000/002/0187/0190

AUTHOR: Sorokin, O. M.; Dzhioyeva, D. I.

ORG: Leningrad State Optical Institute (Gosudarstvennyy opticheskiy institut)

TITLE: Measuring the thickness of thin films as they are produced in a vacuum

SOURCE: Pribory i tekhnika eksperimenta, no. 2, 1966, 187-190

TOPIC TAGS: measuring instrument, vacuum measurement, thin film

ABSTRACT: A portable instrument designed to control the thickness of thin films as they are produced is described. It is based on the change in resonant frequency of a crystal oscillator occurring while a thin film is deposited on a quartz crystal. The instrument contains two crystal oscillators which serve in turn either as measuring or comparing device. This doubles the operating frequency band and, consequently, the range of thicknesses which may be measured. A circuit was developed to separate the difference frequencies of the oscillators and to convert sinusoidal voltage into pulse voltage. This arrangement facilitates operation of a standard counting-rate meter. The transconductance of the instrument is about 3.6 cps/Å for gold, 1.7 cps/Å for silver, and 0.9 cps/Å for aluminum. Layers of these metals may be measured using this instrument with sensitivities of about 1, 2, and 4 Å respectively. Orig. art. has: 4 figures. [DW]

SUB CODE: 09/ SUBM DATE: 06Apr65/ ORIG REF: 002/ OTH REF: 002/ ATD PRESS:
Card 1/1 Ada UDC: 539.234 4242

RYABIKINA, M.V.; DUDKINA, A.Ye.; DZHILOYEVA, V.M.

Operation of a dryer with a milling and conveyer device.
Med.prom. 13 no.6:32-35 Je '59.

(MIRA 12:8)

1. Zavod meditsinskikh preparatov No.1.
(DRYING APPARATUS) (ANTIBIOTICS)

22214-66
ACC NR: AT5024230

SOURCE CODE: UR/3167/65/014/000/0107/0120

AUTHOR: Dzidzishvili, N. N.; Kvirkveliya, L. R.

ORG: *none*

2
B+1

TITLE: The electrical activity of the hippocampus in ontogenesis

SOURCE: AN GruzSSR. Institut fiziologii. Trudy, v. 14, 1965. Sovremennyye problemy deyatel'nosti i stroyeniya tsentral'noy nervnoy sistemy (Present problems of the activity and structure of the central nervous system), 107-120

TOPIC TAGS: hippocampus, CNS ontogenesis, hippocampus electrical activity, hippocampus development, ontogenesis

ABSTRACT: Postnatal development of electrical activity in the hippocampus was studied in newborn rabbits. Three stages were distinguished. During Stage 1 (until 6 to 7 days after birth) the spontaneous electrical activity of the hippocampus is not differentiated from that of the neocortex: low voltage slow waves predominate in both. Direct stimulation of the hippocampus evokes potentials not only on the stimulated side, but in the opposite half of the hippocampus and in the neocortex (especially the visual cortex) as well. Surface negativity of the evoked potential lasts approx. 100 msec. Remoter evoked potentials are preceded by a small positive potential. Rhythmical stimulus sharply diminishes, then suppresses the negative waves. During Stage 1 convulsive discharges in the hippocampus are not seen. During Stage 2

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ACC NR: AT5024230

(6—7 to 17—20 days after birth), the amplitude of the basic rhythm of spontaneous hippocampal activity increases and "spindle"-type periodic fast waves appear. Rhythmic stimulation during Stage 2 causes progressive augmentation of the evoked potentials (tetanic potentiation). These potentiated responses easily pass over into convulsive discharges. During stage 2, generalized cortical potentials can still be evoked by hippocampal stimulation. During Stage 3, both the spontaneous activity of the hippocampus and the potentials evoked by hippocampal stimulation are similar to those seen in adult rabbits. Hippocampal stimulation no longer evokes generalized responses in the neocortex; such evoked potentials occur in the visual cortex only. The development of hippocampal electrical activity parallels the morphological development of the neural elements of the hippocampus. [DP]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 019/

Card 2/2 nst

YUGOSLAVIA / Diseases of Farm Animals. Diseases Caused R
by Bacteria and Fungi

Abs Jour: Ref Zhur-Biologiya, No 16, 1958, 74208

Author : Dzhirich, V., Mikhaylovich, B.

Inst : Not given

Title : On the Problem of Treatment of Otitis Externa
in Dogs

Orig Pub: Acta veterin., 1957, 7, No 2, 51-57

Abstract: The following bacteria were found in different forms
of otitis externa: Staphylococcus albus, Proteus
vulgaris, Pseudomonas aeruginosa, Corinebacterium,
Sarcinum, Staphylococcus aureus et citreus, E. coli,
Bacterium paracoli, hemolytic streptococci. Ad-
ministration of antibodies quickly leads to re-

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YUGOSLAVIA / Diseases of Farm Animals. Diseases Caused R
by Bacteria and Fungi

Abs Jour: Ref Zhur-Biologiya, No 16, 1958, 74208

covery of the animals.

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DZHIRIKHOV, M.A.

Two-way regulating baffle for equal distribution of slurry along
a concentrator. TSement 27 no.6:30-31 N-D '61. (MIRA 15:3)

1. Krichevskiy tsementno-shifernyy kombinat.
(Cement plants)

DZHIRKOLOV, Dimitur D., inzh.

Graphoanalytic determination of general water consumption
in farming. Khidrotekh i melior-7 no.6:177-179 '62.

DZHIRKOLOV, Dimitur, inzh.; GEORGIEV, Mario, ikonomist

Fighting against the filtration of irrigation canals. Khidrotekhnika
i melior 8 no.1:27-28 '63.

DZHIRKOLOV, Dimitur, inzh.

Interrelations between rainfall frequency, irrigation rate, and
maize crop. Khidrotekh i melior 8 no.4:105-108 '63.

DZHIRKOLOV, Dimitur, inzh.

Influence of topography on the cost of an irrigation system.
Khidtotekh i melior 8 no.7:205-206 '63.

DZHIRKOLOV, Dimitur, inzh.

Results from maize sprinkling. Khidrotekh i melior 9
no.6:187-189 '64.

DZHIRKVELOV, I.

Forum of journalists from 59 countries. Sov.foto 22 no.11:10
N '62. (MIRA 16:1)

1. Zamestitel' sekretarya Pravleniya Soyusa zhurnalistov SSSR.
(Budapest—Congresses) (Journalists)

22812

16.3400 16.6500

S/044/61/000/002/009/015
C111/C222

AUTHOR: Dzhishkariani, A.V.

TITLE: Some estimations of the error of the method of Ritz-Galerkin for ordinary differential equations

PERIODICAL: Referativnyy zhurnal, Matematika, no.2, 1961, 20, abstract 2V 150. ("Tr.Tbilissk.matem.in-ta AN Gruz SSR" 1959, 26, 285-306)

TEXT: The author considers the question of the approximate determination of the eigenvalues λ_ν and eigenfunctions $y_\nu(x)$ ($\nu=1,2,\dots$) of the differential equation $M[y(x)] = \lambda N[y(x)]$ (M and N are selfadjoint and positive definite operators of the orders $2m$ and $2n$) with the boundary conditions $y_\nu^{(\xi)}(0) = y_\nu^{(\xi)}(1) = 0$ ($\xi=0,1,\dots,m-1$) according to the method of Ritz-Galerkin. Here the system of eigenfunctions $\varphi_1(x), \varphi_2(x), \dots$ (which is assumed to be closed) of the problem $M[y(x)] = \lambda y(x)$ with the same boundary conditions is chosen as the system of coordinate functions. The functions $\varphi_1(x)$ and the eigenvalues ω_1 corresponding to them are assumed to be known. The author obtains

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some estimations for the errors of the eigenvalues $\lambda_{v,r}$ (r -- number of coordinate functions in the method of Ritz-Galerkin) and the eigenfunctions $y_{v,r}(x)$ (in the space $L_2(0,1)$ and in the space $C(0,1)$). E.g. for the case $N[y] \approx q(x)y(x)$, where $q(x) \geq 0$ is a continuous function the author obtains the estimation

$$\lambda_{v,r} - \lambda_v \leq \frac{\lambda_{v,r}^2 q_{\max}}{\omega_{r+1}}. \quad (1)$$

If $q(x)$ has continuous derivatives up to the order $2m$ then (1) can be replaced by

$$\lambda_{v,r} - \lambda_v \leq \lambda_{v,r}^2 \|M[q(x)y_v(x, \alpha)]\|^2 \frac{1}{\omega_{r+1}^3}, \quad (2)$$

where $\|M[q(x)y_v(x, \alpha)]\|$ ($0 \leq \alpha \leq 1$) is expressed by the derivatives $y^{(s)}(x, \alpha)$ ($s=0,1,\dots,2m$) which are estimated by the author. For the case of a "one-term" equation $N[y] = \lambda(-1)^n [g(x)y^{(n)}(x)]^{(n)}$ ($g(x) > 0$)

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instead of (1) and (2) the author obtains the estimations

$$\lambda_{v,r} - \lambda_v \leq \frac{\lambda_{v,r}^2 g_{\max}}{\omega_{r+1}},$$

$$\lambda_{v,r} - \lambda_v \leq \lambda_{v,r}^2 \left\| M^{(-2n)} [g(x) y_v^{(n)}(x, \alpha)] \right\|^2 \frac{1}{\omega_{r+1}^3}.$$

The estimation of the error for the eigenfunctions in the case $M[y] = \lambda q(x)y(x)$ has the form

$$\|y_v(x) - y_{v,r}(x)\| \leq \frac{\lambda_{v,r} q_{\max}^h}{\sqrt{q_{\min}}} \left(1 + \frac{\lambda_{v,r} q_{\max}}{\omega_1}\right) (1 + \lambda_v) \sum_{i \neq v} \frac{1}{|\lambda_i - \lambda_v|} \frac{1}{\omega_{r+1}}, \quad (3) \quad \checkmark$$

where the constant h is obtained from the condition $\|y_{v,r}\| \leq h$. The author mentions that for continuous functions $q(x)$ the order of convergence of the eigenvalues (1) is equal to the order of the convergence in the mean of the eigenfunctions (3). The author obtains a number of estimations for the norm of the eigenfunctions and their derivatives in the $L_2(0,1)$ and obtains uniform estimations for the

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eigenfunctions. Especially for a "one-term" equation the author obtains the estimation

$$|y_n(x) - y_{n,r}(x)| \leq \frac{\lambda_{n,r}}{2(2n-1)(n-1)!} \sqrt{\frac{g_{\max}}{g_{\min}}} \left(1 + \right. \\ \left. + \lambda_n \sum_{l=n}^{\infty} \frac{1}{|\lambda_l - \lambda_n|} \right) \left\{ \frac{\|M^{(-2n)}[g(x)y_{n,r}^{(n)}(x)]\|}{\omega_{r+1}^2} + \right. \\ \left. + \frac{\sqrt{g_{\max}} \lambda_{n,r} \|M^{(-2n)}[g(x)y_n^{(n)}(x, \alpha)]\|^2}{\omega_{r+1}^3} \right\}.$$

The abstracted paper joins the paper of Bertram (R Zh Mat 1960, 10925).
[Abstracter's note: Complete translation.]

Card 4/4

DZHISHKARIANI, A.V.

Evaluating the degree of error of the Ritz method for a
nonhomogeneous differential equation. Soob. AN Gruz. SSR 25
no. 3:257-262 S '60. (MIRA 14:1)

1. Akademiya nauk Gruzinskoy SSR, Tbilisskiy matematicheskiy
institut im. A.M. Razmadze. Predstavleno chlenom-korrespondentom
Akademii nauk Gruzinskoy SSR N.P. Vekua.
(Differential equations)

DZHISHKARIANI, A. V.

Cand Phys-Math Sci - (diss) "Several evaluations of errors in the Ritz method for differential equations." Tbilisi, Pub. Tbilisi Univ, 1961. 9 pp; (Tbilisi, State Univ imeni Stalin); 180 copies; free; bibliography on pp 8-9 (10 entries); (KL, 7-61 sup, 218)

16.4600

32473
S/044/61/000/010/039/051
C111/C222

AUTHOR: Dzhishkariani, A.V.

TITLE: Estimations of the error of the method of Ritz for an in-homogeneous differential equation

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1961, 37,
abstract 10 V 223. ("Soobshch. AN Gruz SSR", 1960, 25, no. 3,
257-262)

TEXT: The author considers the differential equation

$$A[u(x)] - \lambda w(x)u(x) = f(x)$$

with homogeneous boundary conditions, where A is a selfadjoint positive definite operator, $w(x)$ is a positive continuous function, $x = x(x_1, x_2, \dots, x_m)$ is a point of the m -dimensional space, λ -- negative number. The author obtains a formula for the error estimation of the n -th approximation $u_n(x)$ of the solution obtained with the method of Ritz:

$$\|u(x) - u_n(x)\| \leq \frac{C}{\omega_{n+1}},$$

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where
$$C = \sqrt{\frac{w_{\max}}{w_{\min}}} (|\lambda| \sqrt{w_{\max}} C_0 + \|f(x)\|) \left(1 + \frac{|\lambda|}{\lambda_1 - \lambda}\right),$$

$$C_0 = \sqrt{w_{\max}} \|f(x)\| \left(\sum_{i=1}^{\infty} \frac{1}{\omega_i^2} \right)^{1/2} \left(1 + \frac{\|\lambda\|}{\lambda_1 - \lambda}\right),$$

and ω_i are eigenvalues corresponding to the eigenfunctions $v_i (i=1,2,\dots)$ of the differential equation

$$Av = \omega v;$$

λ_1 is a certain magnitude depending on n which is determined by the initial equation. A formula for the error estimation is derived for the case where v_i are uniformly bounded, i.e. if $|v_i(x)| \leq 1 (i = 1,2,\dots)$.

[Abstracter's note : Complete translation.]

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DZHISHKARIANI, A.V.

Rate of convergence of the Ritz method for eigenvalues of
differential operators. Soob. AN Gruz. SSR 28 no.5:513-519
My '62. (MIRA 18:5)

1. Tbilisskiy matematicheskiy institut imeni Razmadze AN GruzSSR.
Submitted February 9, 1961.

393/6
S/044/62/000/006/057/127
B177/B102

16.6500

AUTHOR: Dzhishkariani, A. V.

TITLE: The rapidity of convergence of Ritz' method

PERIODICAL: Referativnyy zhurnal. Matematika, no. 6, 1962, 115,
abstract 6B498 (Tr. Tbilissk. matem. in-ta. AN GruzSSR,
v. 27, 1960, 265 - 268)

TEXT: The author discusses the equation

$$Au = f, \quad (1)$$

where A is a symmetrical positive definite operator in a Hilbert space H. Let u_n be an approximate solution of equation (1), set up by Ritz's method with coordinate functions which are eigenfunctions of an operator B convergent with A. (RZhMat., 1958, 5813). Then

$$\|u_n - u\| \leq \|A^{-1}B\| \cdot \|\delta_n\| \left(\sum_{k=n+1}^{\infty} \frac{1}{\omega_k^2} \right)^{1/2} \quad (2)$$

Here u is the exact solution of equation (1), $\delta_n = Au_n - f$, ω_k are
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S/044/62/000/006/057/127
B177/B102

The rapidity of convergence of...

eigenvalues of the operator B. If $A^{r-1}\delta_n \in D_A$, then another estimate can be obtained:

$$\|u_n - u\| \leq \|A^{-1}B\| \cdot \|A^r \delta_n\| \left(\sum_{k=n+1}^{\infty} \frac{1}{\omega_k^{2r+2}} \right)^{1/2}. \quad (3)$$

The inequalities (2) and (3) make it possible to obtain similar estimates of the error in the metric of a space H_A . [Abstracter's note: Complete translation.]

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DZHISHKARIANI, A.V. (Tbilisi)

Rapidity of convergence of Ritz's approximation method. Zhur.
vych. mat. i mat. fiz. 3 no.4:654-663 J1-Ag '63.
(MIRA 16:7)

DZHISHKARIANI, A.V.

Convergence rate of the method of least squares. Trudy Mat. inst. AN
Gruz. SSR 29:213-217 '63. (MIRA 17:12)

ACCESSION NR: AP4024567

S/0208/64/004/002/0343/0346

AUTHOR: Dzhishkeriani, A. V. (Tiflis)

TITLE: Convergence rate of the Bubnov-Galerkin method

SOURCE: Zhurnal vysshelitel'noy matematiki i matematicheskoy fiziki, v. 4, no. 2, 1964, 343-348

TOPIC TAGS: Bubnov Galerkin method, error estimation, convergence rate, self adjoint operator, positive definite operator, elliptic equation

ABSTRACT: The equation

$$A_0 u + Ku = f,$$

is considered, where A_0 is a positive definite self-adjoint linear operator defined on a linear manifold $D(A_0)$ of a complete Hilbert space H and K is an operator defined on a region containing $D(A_0)$. Let B be a positive definite self-adjoint operator defined on $D(A_0)$ which satisfies the following conditions: a) B has a Card 1/4

ACCESSION NR: AP4024567

discrete spectrum; b) the characteristic values $\omega_1, \omega_2, \dots$ and functions $v_1, v_2, \dots$ of the equation $Bv = \omega v$ are known; c) the characteristic functions are orthonormal in H and complete in a space H_0 ; d) the inequality

$$\|Ku\|_H \leq C\|u\|_{H_0}$$

is satisfied. The method of Bubnov-Galerkin is applied to obtain a sequence of functions

$$u_n = \sum_{k=1}^n a_k v_k$$

which converge to an exact solution in H . An expression for the rate of convergence is derived. The method is applied to the equation

$$-(pu')' + gu' + qu = f(x)$$

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ACCESSION NR: APL024567

with the result

$$\left[\int_0^1 (u_n - u_0)^2 dx \right]^{1/2} = O\left(\frac{1}{n^2}\right),$$

$$\left[\int_0^1 (u'_n - u'_0)^2 dx \right]^{1/2} = O\left(\frac{1}{n}\right).$$

The method is also applied to the nondegenerate elliptic equation

$$-\sum_{i,k=1}^m \frac{\partial}{\partial x_i} \left(A_{ik} \frac{\partial u}{\partial x_k} \right) + \sum_{i=1}^m B_i \frac{\partial u}{\partial x_i} + Cu = f$$

of the Dirichlet problem $u|_{\Gamma} = 0$ where Γ is the boundary of a region Ω .

The result is

$$\left[\int_{\Omega} (u_n - u_0)^2 d\Omega \right]^{1/2} = O\left(\frac{1}{n^{1/m}}\right),$$

$$\left[\int_{\Omega} \left(\frac{\partial u_n}{\partial x_k} - \frac{\partial u_0}{\partial x_k} \right)^2 d\Omega \right]^{1/2} = O\left(\frac{1}{n^{1/m}}\right), \quad k = 1, 2, \dots, m.$$

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ACCESSION NR: AP4024567

Orig. art. has: 30 equations.

ASSOCIATION: none

SUBMITTED: 09Jan63

DATE ACQ: 16Apr64

ENCL: 00

SUB CODE: MM

NO REF SOV: 005

OTHER: 001

Card 4/4

DZHISHKARIANI, G.Z. (Tbilisi)

British a.c. locomotive. G.Z.Dzhishkariani (from "Bulletin
de l'Association Internationale du Congres des Chemins de fer,"
Aug., 1959). Elek.i tepl.tiaga 14 no.3:47 Mr '60.
(MIRA 13:7)
(Great Britain--Electric locomotives)

DZHITANOV, L.

Socialistic Work Competition (Competition of Labor) at the "GEORGI KIRKOV"
State (Government) Boiler Construction Plant. In the Bulgarian Heavy Industry,
5:55:May 55

DZHITANGVA, L.

Development of the German Democratic Republic. In the Bulgarian Heavy
Industry, 5:58:May 55

DZHITANVA, L.

Forest Industry (Forestry) in Rumania. In the Bulgarian Heavy Industry,
5:59:May 55

DZHITANCVA, L.

Articles Referring to Heavy Industry, In the Bulgarian Heavy Industry,
5:60:May 55

DZHITENOV, A.K.

Flow resistance of sandy loam soils at the point of contact
with filter material. Trudy VODGEO no.6:45-49 '64.

(MIRA 18:3)

DZHITENOV, A.K.

Experimental investigations of the self-closing of cracks in clay soil under the action of a descending filtration flow. Trudy VODGEO no.11:45-50 '65 (MIRA 19:1)

Additional deformations of "Safedobskii" sandy loam under the action of a descending filtration flow. Ibid.:50-52.

DZHITENOV, A.K., inzh.

Method of conducting compression tests of previously compacted
samples of clay soils. Trudy lab. gidr. sooruzh. VOENGEО no. 4:
38-40 '63. (MIRA 17:6)

L 22499-66 EWP(t) IJP(c) JD

ACC NR: AP6014467

SOURCE CODE: PO/0046/65/010/011/0675/0680

AUTHOR: Dziunikowski, Bohdan--Dzyunikovski, B.; Niewodniczanski, Jerzy--
Nevodnichan'ski, Yu. 29
13

ORG: Institute of Nuclear Techniques, Academy of Mining and Metallurgy, Krakow

TITLE: Debalancing of differential x-ray filters

SOURCE: Nukleonika, v. 10, no. 11, 1965, 675-680

TOPIC TAGS: x ray filter, fluorescence, copper, iron

ABSTRACT: The effect of debalancing of the differential Ross filters due to the variation of the disturbing element contents is considered. This effect was observed in the case of the fluorescence determination of copper in ore samples containing different admixtures of iron. A physical explanation of this effect, confirmed by experimental results, is given. The authors thank Professor L. Jurkiewicz, Doctor, Head of the Institute of Nuclear Techniques, Academy of Mining and Metallurgy, Krakow, for his interest in this work. Orig. art. has: 5 figures and 8 formulas. [NA]

SUB CODE: 18, 11 / SUBM DATE: 02Oct64 / OTH REF: 004

Card 1/1 BK

DZHIVAGA, I.I., inzhener.

Practices of semiautomatic spot welding of corner joints.
Sudostroenie 22 no.7:34 J1 '56.

(MLRA 9:10)

(Ships--Welding)